

### Program Registration & Fees:

The operator training program has changed the registration process to an electronic format that facilitates online registration and payment options, including credit cards. This format also allows participants to create and manage their own student records to track class participation and print completion certificates.

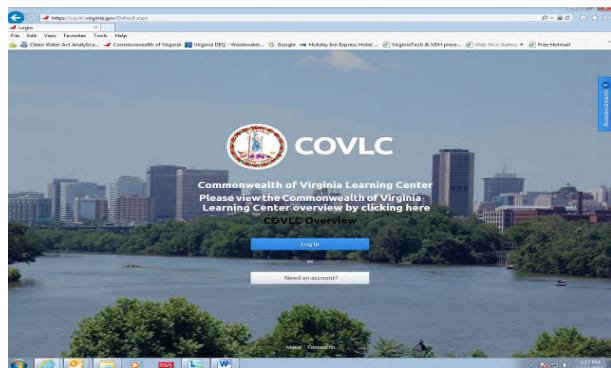
The online method must be used to register for all wastewater operator training workshops. No paper registration forms will be accepted; however payment by check will still be acceptable option.

### Virginia Learning Center (VLC) Registration:

DEQ's Virginia Learning Center (VLC) is an online Learning Management System that can be used to enroll in classroom courses, launch online training and access other useful learning resources. If you already have a profile in the old knowledge center (KC) database, use your username and password to login to the VLC.

In order to create your profile in the VLC, kindly follow the link below:

<https://covlc.virginia.gov>



Once a profile has been created and an online ID has been selected you will be granted access to the VLC to begin monitoring your training activities.

For additional information regarding the registration process contact DEQ program staff.

### Program Content:

Current programs have been selected based on identified needs and location availability. These programs and others are offered periodically, at different locations, throughout the year. If you would like to receive notification, by email, contact the operator training program staff.

Complete descriptions of the training programs are available upon request.

### Program Approval:

Unless otherwise noted, these courses have been approved by the Virginia Board for Waterworks and Wastewater Works Operators and Onsite Sewage System Professionals for training credits. Approved programs can, when applicable, be used as substitution for required operational experience.

### Continuing Professional Education (CPE):

Where appropriate, these workshops can be used for continuing professional education (CPE) requirements as defined by the Board. Registrants will typically receive up to 7 contact hours for each full day of completed training and 3.5 contact hours for each ½ day of completed training.

A full day is defined as 8:30 am – 4:30 pm minus 1 hour for lunch. A ½ day is defined as 8:30am – 12 noon (or 1:00pm – 4:30pm).

### Additional Information:

For additional program information contact DEQ program staff:

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# Wastewater Operator Training Programs



Winter/Spring 2018

Operator Training and Assistance Program  
Water Permitting Division  
Department of Environmental Quality  
P.O. Box 1105  
Richmond, Virginia 23218

## DEQ, Wastewater Operator Training Course List Winter/Spring 2018

Course #	Course Name	Dates	Location	Price
DEQ 13	Activated Sludge Process Control, Part 1 (Observations and Testing)	March 27 – 28, 2018 8:30 AM - 4:30 PM	Middle River WWTP Verona, VA	\$150.00
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	April 4, 2018 8:30 AM - 4:30 PM	Lynchburg WWTP Lynchburg, VA	\$75.00
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	May 2, 2018 8:30 AM - 4:30 PM	Totopotomoy WWTP Mechanicsville, VA	\$75.00
DEQ 13	Activated Sludge Process Control, Part 1 (Observations and Testing)	May 8 – 9, 2018 8:30 AM – 4:30 PM	Wolf Creek WWTP Abingdon, VA	\$150.00
DEQ 18	Introduction to Biological Nutrient Removal (BNR)	June 6, 2018 8:30 AM - 4:30 PM	Upper Occoquan SA Woodbridge, VA	\$75.00

### Course Descriptions:

#### DEQ 18: Introduction to Biological Nutrient Removal (BNR)

This one (1) day workshop provides an introduction to the principles involved in biological nutrient removal. The focus of the program will be the suspended growth (activated sludge) BNR processes. The program will discuss the basic concepts associated with biological nutrient removal (nitrification, denitrification and biological phosphorus removal). It will identify performance factors, provide typical operating ranges for many of these factors and review various design and operational configurations currently being used for BNR. The program's hands on activities will include observation of an BNR activated sludge system. Managers, operators and operator trainees of BNR activated sludge treatment systems will find this program very helpful.

#### DEQ 13: Activated Sludge Process Control (ASPC), Part 1

This two (2) day workshop provides the knowledge and skills required to monitor and adjust the operation of an activated sludge treatment plant. The program will focus on basic concepts, process observations, basic process control testing (i.e., settled sludge volume, dissolved oxygen and pH), recordkeeping and data interpretation. The program's hands on activities will include observation of an activated sludge system, collection and analysis of process control samples, and data analysis. Managers, operators and operator trainees of activated sludge treatment systems will find this program very helpful.